

NEW COMBINATIONS IN DELPHINIUM AND RHUS

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Recent herbarium and particularly field studies indicate that two nomenclatural changes not previously made are in order. These are made herein so that they are available for use in several forthcoming publications.

Delphinium carolinianum Walt. subsp. virescens R. E. Brooks, comb. nov. Basionym: D. virescens Nutt., Gen. N. Amer. Pl. 2: 14. 1818.

Warnock (1981) treated virescens as a synonym of D. carolinianum subsp. pernardii (Huth) Warnock. Field examinations of numerous individuals combined with morphological evaluations, including SEM studies of the seeds, indicate that virescens is sufficiently distinct from pernardii to warrant taxonomic recognition of virescens. Warnock's (op. cit.) concept of subspecies in this group is new, however, and one with which I agree. Subsp. virescens has mostly equally distributed cauline leaves with few basal leaves and the upper stem and rachis are covered with basally yellow, pustulate trichomes. It occurs in the eastern Great Plains and adjacent eastern areas from North Dakota south to northeast Texas and Missouri. Subsp. pernardii usually has a distinct basal rosette of leaves with few cauline leaves, the upper stem is canescent and sparsely pustulate hairy, and the rachis is canescent. The subspecies occurs in the western Great Plains from western Nebraska south to Texas.

Rhus aromatica Ait. subsp. flabelliformis (Shinners) R. E. Brooks, comb. nov. Basionym: Rhus aromatica var. flabelliformis Shinners, Field & Lab. 19: 86. 1951.

Rhus aromatica Ait. subsp. serotina (Greene) R. E. Brooks, comb. nov. Basionym: Schmaltzia serotina Greene, Leaflet Bot. Observ. Crit. 1: 131. 1905.

Weber et al. (1981) published the combination Rhus aromatica subsp. pilosissima (Engelm.) W. A. Weber but did not make new combinations for the above phases of R. aromatica occurring in the Great Plains.

LITERATURE CITED

Warnock, M. J. 1981. Biosystematics of the Delphinium carolinianum complex. Syst. Bot. 6: 38-54.

Weber, W. A., B. C. Johnston and R. Wittman. 1981. Additions to the flora of Colorado - VII. Brittonia 33: 325-331.